

SPECIAL HANDLING

ENCL TO

OSA -5238-63

SHC63-9043-407

Copy # /

24 September 1963

*BB 425
Task Order # 4
THP*

Dear Jim:

Transmitted herewith are two (2) copies of the Status Report on Contract BB-425, Task Order No. 4.

Very truly yours,

25X1A

[Signature]

Contracts Manager

pv
Encls.

SPECIAL HANDLING

10F2
OSA - 5238-63

Image Enhancement Viewer

Phase II Instrument Modification

Status Report - 9043

9 September 1963

1. The source unit is in the process of being rewired including an amphenol connector, to allow passage of the leads through the housing.
2. The object unit has been completely redesigned including detail drawings for fabrication. The new design incorporates a remotely operated object positioning mechanism from the control panel, using slaved selsyns. The collimating lenses have been separated to facilitate adjustment. The fabrication of this unit is approximately sixty percent complete.
3. The three wooden bipods have been replaced with two steel pedestals. Provisions have been made to anchor the instrument to the floor and install vibration isolators if tests indicate such a need. The fabrication of the pedestal is complete.
4. A new control panel has been designed and will be mounted on a forty inch high wheeled console. The console will house all the electrical components, and will be separated from the instrument, except for electrical leads through an amphenol connector.

The design of this unit is complete. The console has been purchased and is in house. There still remains some fabrication of the control panel and cabling of the console.

5. The D.C. power supply has undergone considerable up-dating including larger transformer and associated circuitry as well as current regulation circuitry to eliminate supervised "warm-up" time. This unit will be located within the wheeled console.

This phase of the project has been completed.

6. The fabrication of the two small occluding filters (.010 and .020 inches in diameter) appears to be the only problem area left. Although this has not been started yet there seems to be at least two reasonable approaches. This is rather a small job however, technique being the most important factor.

These two filters will extend the filter range of the instrument by a factor of four (4).

7. Metal finishing of the instrument shall take place after fabrication of all the parts.
8. It is estimated that the fabrication and modification phase of this project is sixty (60%) per cent complete.